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... on seniority, sometimes by an **auction** process ... convergence rate issues and **column generation** integrated into ... bound for solving the overall mixed **integer program**. ...  
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... that this is a multi-unit **combinatorial auction** where the ... can be used to solve the **Integer Program** to optimality ... set of flights offered for **auction** is extended ...  
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... For **combinatorial** auctions, the winning prices are provided ... winning bids in some round of the **auction**. ... the performance of the **integer-programming** solvers ...  
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... problem as a mixed **integer program** and develop ... first-price or second-price **auction**

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O Gunluk, L Ladanyi, S de Vries - [View as HTML](#) - [Cited by 2](#) - [Web Search](#)

... One very important aspect of a good **integer program**- ... To provide some intuition, we next consider a small **combinatorial auction** that has a single round ...

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... round columns to the **integer** linear programming ... added to the linear **program**, can improve ... In a multi-round **combinatorial auction**, **column generation** means that ...

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... 11 Page 14. associate dual variables  $\pi \in \mathbb{R}^m$  with the demand constraints, and our column-generation subproblem is max  $m$  ... 2.3 Solving the integer program ... domino.watson.ibm.com

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... variety of difficult combinatorial optimization problems ... scheduling, combinatorial auction winner determination ... reformulation rules integer programmers have ... mat.gsia.cmu.edu

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... truly combinatorial in nature since synergies or substitutability ... negotiation at which the auction takes place ... be formulated as an Integer Program as follows: ... research.ibm.com - research.ibm.com - researchweb.watson.ibm.com

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T Elendner, T Elendner - [View as HTML](#) - [Cited by 2](#) - [Web Search](#)

... the winner determination of the presented combinatorial auction. ... an instance generator for general combinatorial auctions which ... the data to be integer-valued ... Manuskripte aus den Instituten für Betriebswirtschaftslehre, ..., 2003 - halfbrunt.bwl.uni-kiel.de

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... The fastest general-purpose mixed integer program solvers, CPLEX and XPress-MP ... distinct numbers, as is the case in combinatorial auction winner determination. ... cs.cmu.edu - cs.cmu.edu - www-2.cs.cmu.edu

Voss, Stefan; Martello, Silvano; Osman, Ibrahim H.; and Roucairol, Catherine, eds. 1999.

B Lev - [Web Search](#)

... of the book is on combinatorial—but also ... programming and Benders decomposition, the auction algorithm for ... courses, such as networks and integer programming ... INTERFACES, 2000 - extenza-eps.com - extenza-eps.com - pubsonline.informs.org

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TS Chandrashekar, Y Narahari, Sri Rosa, D Kulkarni, ... - [View as HTML](#) - [Web Search](#)

... LP Linear Program IP Integer Program MIP Mixed Integer Program MILP Mixed Integer

Linear Program GP Goal Programming CA Combinatorial Auction GVA Generalized ...

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... 7 AIROWinter 2003 Program ... When items in a bid are all different we call it a Single Unit Combinatorial Auction (SUCA), while when a bid may specify a number of ...

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... to each other and to an optimal solution based on a **column-generation** technique. ...

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... **Program**., Ser ... as VLSI routing, theorem proving, game theory, **combinatorial** optimization, and ... particularly important for our study of mixed **integer** programs (see ...

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... Also, a non-linear **program** is formulated for re-optimization of frequencies ... In this procedure, a **column generation** technique is used to avoid re- evaluating ...

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... i. The VRPPDTW can be formulated as the following **mixed-integer program**: ... a set-partitioning formulation of the problem and an exact **column generation** algorithm ...

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... to recombine the results via an **auction**. ... of intensive computational experiments in **combinatorial** optimization and ... into a binary **integer** programming problem ...

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